

JUL 28 2004

## DECLARATION FOR PATENT APPLICATION

Docket Number (Optional)

As a below named inventor, I hereby declare that: Charles J. Farrell  
 P.O. Box 26 Lower Lake, CA 95457  
 My residence, post office address and citizenship are as stated below next to my name.

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled  
ROLLER WITH REINFORCED CUPS, the specification of which

is attached hereto unless the following box is checked:

was filed on 9/15/2003 as United States Application Number or PCT International Application Number 10/662,550 and was amended on \_\_\_\_\_ (if applicable).

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is material to patentability as defined in Title 37, Code of Federal Regulations, § 1.56.

I hereby claim foreign priority benefits under Title 35, United States Code, § 119 of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed.

## Prior Foreign Application(s)

Priority Claimed

 Yes  No Yes  No Yes  No

(Number) (Country) (Day/Month/Year Filed)

(Number) (Country) (Day/Month/Year Filed)

(Number) (Country) (Day/Month/Year Filed)

I hereby claim the benefit under Title 35, United States Code, § 120 of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code, § 112, I acknowledge the duty to disclose information which is material to patentability as defined in Title 37, Code of Federal Regulations, § 1.56 which became available between the filing date of the prior application and the national or PCT international filing date of this application.

10/662,550 9/15/2003 Pending  
 (Application Number) (Filing Date) (Status - patented, pending, abandoned)

(Application Number) (Filing Date) (Status - patented, pending, abandoned)

I hereby appoint the following attorney(s) and/or agent(s) to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith:

Charles J. Farrell

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Santa Rosa  
CA 95407

(207) 523-0154

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Full name of sole or first inventor (given name, family name) Charles J. Farrell

Inventor's signature Charles J. Farrell Date 7/23/04

Residence 10168 Bell Circle North Citizenship USA

Post Office Address P.O. Box 26

Lower Lake, CA 95457

Full name of second joint inventor, if any (given name, family name) \_\_\_\_\_

Second Inventor's signature \_\_\_\_\_ Date \_\_\_\_\_

Residence \_\_\_\_\_ Citizenship \_\_\_\_\_

Post Office Address \_\_\_\_\_

Additional inventors are being named on separately numbered sheets attached hereto.



Applicant or Patentee: Charles J. Farrell Attorney's  
Serial or Patent No.: 10/1662, 590 Docket No.:  
Filed or Issued: 9/15/2003  
For: BPA WITH REINFORCED CUPS

**VERIFIED STATEMENT (DECLARATION) CLAIMING SMALL ENTITY  
STATUS (37 CFR 1.9 (f) and 1.27 (b)) — INDEPENDENT INVENTOR**

As a below named inventor, I hereby declare that I qualify as an independent inventor as defined in 37 CFR 1.9 (c) for purposes of paying reduced fees under section 41 (a) and (b) of Title 35, United States Code, to the Patent and Trademark Office with regard to the invention entitled BPA with Reinforced Cups described in

the specification filed herewith  
 application serial no. 10/1662, 590, filed 9/15/2003  
 patent no. \_\_\_\_\_, issued \_\_\_\_\_

I have not assigned, granted, conveyed or licensed and am under no obligation under contract or law to assign, grant, convey or license, any rights in the invention to any person who could not be classified as an independent inventor under 37 CFR 1.9 (c) if that person had made the invention, or to any concern which would not qualify as a small business concern under 37 CFR 1.9 (d) or a nonprofit organization under 37 CFR 1.9 (e).

Each person, concern or organization to which I have assigned, granted, conveyed, or licensed or am under an obligation under contract or law to assign, grant, convey, or license any rights in the invention is listed below:

no such person, concern, or organization  
 persons, concerns or organizations listed below\*

\*NOTE: Separate verified statements are required from each named person, concern or organization having rights to the invention averring to their status as small entities. (37 CFR 1.27)

FULL NAME \_\_\_\_\_  
ADDRESS \_\_\_\_\_  
 INDIVIDUAL  SMALL BUSINESS CONCERN  NONPROFIT ORGANIZATION

FULL NAME \_\_\_\_\_  
ADDRESS \_\_\_\_\_  
 INDIVIDUAL  SMALL BUSINESS CONCERN  NONPROFIT ORGANIZATION

FULL NAME \_\_\_\_\_  
ADDRESS \_\_\_\_\_  
 INDIVIDUAL  SMALL BUSINESS CONCERN  NONPROFIT ORGANIZATION

I acknowledge the duty to file, in this application or patent, notification of any change in status resulting in loss of entitlement to small entity status prior to paying, or at the time of paying, the earliest of the issue fee or any maintenance fee due after the date on which status as a small entity is no longer appropriate. (37 CFR 1.28 (b))

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application, any patent issuing thereon, or any patent to which this verified statement is directed.

Charles J. Farrell NAME OF INVENTOR NAME OF INVENTOR

Charles J. Farrell Signature of Inventor Signature of Inventor Signature of Inventor  
Date 7/23/04 Date Date



Mr. Murray,

Mr. Murray uses adjustable underwire for support. There is also a fastener made of plastic or support rings which the shoulder straps are attached to the plastic fastener. This is at the top of the cup. I have no underwire and no plastic fastener that connects the shoulder straps to the top of cup. I have only a slide buckles that do not move, and by moving the straps lifts the breast. I have a single strap that runs down from the shoulder to top of cup to breast rings. Mr. Murray has three adjustable straps. I only have one. My rings circlal the breast. Mr. Murray doesn't. Mr. Murray has underwire at the bottom of each breast cup. Mr. Murray has a center piece that is attached to the cup and support straps for lift. His support straps is on the top portion of the cup. Mind is not. Mind circlal the breast cups. His are place on top of the cup.

Inventor,

Charles J. Farrell

Mr. C. Anselmo

All basic bra designs have a pair of cups support of the breast, horizontal back straps, shoulder straps. They are connect respectively to the top of the cup. There is a slide buckles to adjust the straps. The different between my invention and Mr. Anselmo is I have a single strap that runs from the slide buckles to the top of cup. Mr. Anselmo has two straps that run from the slide buckles to top of cups. His straps from the slide buckles are attached to the top of the cups. Mind runs down from the shoulder strap through the slide buckles to the cup rings. Mr. Anselmo has no cup rings. His straps run cross the cup center. Mind slide buckles are attached to the top of cup, were the shoulder straps pass through to the cup rings. His also has a open center where the nipples protrude. Mind has fabric in the center of the rings.

Inventor,

Charles J. Farrell

Mr. R. F. Anderson,

Mr. Anderson invention is a invention that doesn't use breast rings. His straps are place on top of the breast cups edges. He is using three buckles with a tabular portion, which are strap supports, secured by buckles, which are sewen to the edges. My invention uses breast rings that circlal the breast out on the about center of breast. By pulling on the straps through the slide buckles you can lift the breast, and remove the weight from the shoulders. Mind has a clean look that leaves no puckering or wrinkling when you pull on the straps for lift for better support.

Inventor,

Charles J. Farrell

Ms. Ax,

Ms. Ax uses loops (rings) that are passed under the breast of the wearer. The loops are being entirely concealed in the brassiere body. The lift from the rings themselves. This done by detachably hooks by the means of eyes that hooks are attached too. My invention uses two straps to lift the breast. Ms. Ax uses only the rings for supports. I have two straps. Ms. Ax rings are build into cups at circlal the breast at the base of the breast. Mind circlal at pre determined position center from the chest to the nipples. The shoulder straps use slide buckles to adjust for lift, which the wearer can adjust as much lift she wants. The eyes are attached to a pad swened at proper places on the brassirer, where the shoulder straps are connected the same way. You are only limited support to place the rings by the number of eyes that are attached to the pad. Mind has no limits

on how much support you want.

Mr. Panes,

His cups rings are attached at the upper edge of the cup. That is between slide buckles and top of cup; his rings straps circle half of the cup. Bra rings are also running from the top of the cup to the outer edge, along the bottom; my rings circle the breast at a predetermined position center from the chest to the nipples; and Mr. Panes rings is attached to shoulder straps below the slide buckles. I have non-stretchable suspension straps connected between respective rings, and shoulder straps. The breast rings and straps are fixedly attached to the cups by stitching to the rings.

Inventor,  
Charles J. Farrell

MR.SCHWENKLER,

My response to A. SCHWENKLER patent is : He has a circle shoulder strap and mind has a single strap on each shoulder runs from top of the cup to the back. The shoulder strap runs from back to bra to top of cup, where a slide buckler is attached to top of cup. The straps runs through slide buckles to rings that circle the breast. Mr. SCHWENKLER has a total of four straps with two are on each side of the breasts, the rings that circle the breast each have two straps connected to the rings and shoulder strap. His rings circle the breast at the chest, mind circle the breast at predetermined positions about center of the breast. Mr. SCHWENKLER rings are next to the women chest where my rings are place farther out from the chest about center. The key here is a shoulder strap on each shoulder ,not circler one that Mr. SCHWENKLER has. You adjust strap through slide buckles which is then is connected to the cups rings. Adjustment of strap causes breast cups to raise when pulled up or loosen when pulled down. I only have one site straps that run from breasts to the shoulder straps not four.

Inventor,  
Charles J. Farrell

Ms. A. LICHT,

The different between Ms. LICHT and mind is that there is no adjustment I found betteen the shoulder strap and the cup rings. There is no slide buckles to adjust for lift or loosen it. You can not adjust for support without no slidebuckles to lift the breast. Ms. LICHT shounlder support are per-site. The rings are build into the slip with no adjustment or no way to adjust for lift of the breast. My shoulder slrap are attached to the slide buckles, and breast rings for support. This will cause the breast to lift when you pull on the shoulder straps when tighten.

Inventor,  
Charles J.Farrell

Ms. Virginia Carey,

Virginia Carey invention design is for a person who has gone through a prosthesis. The other side of her invention is design to be preferably worn with another support-type of garment as brassiere. Virginia Carey rings circle the breast at the bottom edge of the breast. There are no buckles to adjust the lifting or lowering of the breast. I have two shoulder straps that run down to the top of cup; two sliding buckles that can lift or lower the breast by pulling on the straps. The shoulder straps also are connect to cup rings by stitching to the cups rings for lift.

Inventor,  
Charles J. Farrell

H. IMERSHEIN,

Attached to the shoulder straps are two additional straps, called supplementary straps; attached to the bust supporter. Everything is tried around the cups rings at the base of the breast. The bust supporter 13 and 14 comprise segments member 23 of any expansion material. The segment member 23 are position in a circular or oblong rings, shaped aperture by extending covering 24, around segment member 23, sewn, stitched, attached to breast support 13 and 14. Adjustment I see is made by moving 25 to aperture 26 as to provide equal expansion thereof.

My invention uses two straps for lift of women breasts. The shoulder straps, and cup rings. The breast rings are place out on the breast where the weight of the breast is. The shoulder straps are tried to the cup rings by stitching them to the cup rings. Using slide buckles to adjust for lift will remove the weight for larger breast women. Which cause shoulder pain and back pain.

Inventor,

Charles J. Farrell.

## H. MOITY

H. MOITY invention is intended to the spreading of the breasts apart, he states in certain cases to bring the breasts together. While maintaining them in the lift position. H. MOITY is saying the said cords are situated on the inner or the outer side of the supporting pockets, this will cause the breast to spread apart or brought together. The loops are place around the shoulder straps to either spread them apart or bring them together. This is depending where the loops are place on the cups outer or inner edges. Inner will spread the breast apart, Outer will bring the breast together. The shoulder straps also are part of the loops, which will ether spread the breast apart or bring the breast together.

My invention works by placing rings around the cups. This is a predetermined position about center from the chest to the nipples. H. MOITY rings are place next the chest on the inside of the bra. I have shoulder straps that are connect to the back of the bra to the front of the cup. I have slide buckles where the straps run through it. H. MOITY has no slide buckles. My slide buckles are attached the top of the cup. The straps from the slide buckles is extended to the cup rings, and stitched to the rings. The shoulder straps run through slide buckles to cup rings, and stitched to the rings. The strap is not attached from the slide buckles to the cup rings. This where the lift of the breast come from. Mind invention will not spread apart or bring together the breast. My invention will lift the weight off the back and shoulder where today bras or past bras did not.

Inventor,

Charles J. Farrell

Mr. O. ERTESZEK,

I've found that the primary source of support are the straps that are connected at the buckles. He is saying the two straps from the shoulder straps preferably distributed more support to the cups. He states that the invention is concerned essentially with securing and maintaining an elastically close fit of the brassiere to the wearer and with comfort, with stretching of back strap during movement of the wearer for a better fit. He is using elastically expansible that are connected to the cup lower portion and operable to expand during elastic expansion of the back strap. This means exerting tension on the left, right of the brassiere. The invention is using a centrally aperture contoured fabric cup structure in each of the left , right section, using elastic material. There is a split between each segments where by the segment are moveable relative to one another at the cup lower portion preferably at the inside of the cup, is oriented to stretch elastically , directionally left, right by the wearer. These use rectangular sheet of elastic fabrics stitched to the segment, where stitching continuing along convergent lines below the elastic material; all of this is inside of the cup. The elastically expansible fabric assures close fitting conformance of the cup particularly the segment to the wearer at the lower inside of the cup; close fitting is cause by stretching the back straps which will exert left, right tension on the cup; during movement they are pulled toward each other by the elastic strip.

Mind invention has no elastic material build inside the cup. Nor do I have retaining segment that formed in the lower portion of the cup. I have shoulder straps that are connected to the back strap, which are connected to the top of the cups. The slide buckles are connected to the top of the cups. The shoulder straps run through the slide buckles down to the cup rings, are stitched to the cup rings. When the wearer adjust the strap through the slide buckles to lift the breast all weight is remove from the back, shoulder. Breast sagging will also disappear that will give a fuller figure. The cup rings are place out on the breast cup itself for true support. O. ERTESZEK support is all in the cup itself, using elastic material , stretching by movement of the wearer with the cup lower portion by the means of the back strap exerting left, right tension on the braassiere.

Inventor,  
Charles J. Farrell

Inventor,  
Charles J. Farrell

Mr. VOGT,

Mr. VOGT invention is all about polyurethane coating, where on certain areas of the target fabric surface. Which for breast rings this would keep the fabric from lengthening or from stretching. This is the only support I found for rings support. M. VOGT brassieres are all targeted spots for support by using polyurethane coating. My invention uses two set of straps to support the breast. Mr. VOGT has only breast rings with no other support with the breast rings, I have two straps: a pair of shoulder straps, slide buckles , which will adjust for lift, and that will relieved the weight of the breast from the shoulder straps; because the shoulder straps are attached to the breast rings . This causes lift when you pull on the shoulder straps.

Inventor,  
Charles J. Farrell